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NOTIFICATION OF "ZARDOUS WASTE ACTIVITY INST CTIONS: If you received a preprinted
label, tix it in the space at left. If any of the information on the label is incurrect, drow a line
through it and supply the correct information in the appropriate section below. If the label is
name of in. MIBUZUUS7128 complete and correct, leave Items I, II, and III below blank, If you did not receive a preprinted
INSTALLA: CONTROL TO CHECKS TALS THE
The same are there is gottening.
10 the INSTRUCTIONS FOR FILING NOTIFI-
CATION before completing this form. The
III OF INSTAL. SÚI HÖÐBHARÐ HTS BLVÐ (Section 3010 of the Resource Conservation and FERNDALE, MI 48220 (Recovery Act).
FOR OFFICIAL LUZ UNL
ti de la companya de
IDAYE RECEIVED
ENTONO 10412 12 12 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1
THE OF INSTALLATION
T. NAME OF INSTALLATION
REICHHOLD CHEMICALS IMC.
II. INSTALLATION MAILING ADDRESS
US EPA RECORDS CENTER REGION 5
CITY OR TOWN ST. ZIP CODE
4 F 1 P N O P L C 473033
13-14 00 lat 41 47 - 31
III. LOCATION OF INSTALLATION STREET OR ROUTE NUMBER
5601 WOODWARD HEIGHTS
CITY OR TOWN 57. ZIP CODE
GFERVORLE 1111 4118220
IV. INSTALLATION CONTACT
NAME AND TITLE (last, first, & job title) PHONE NO. (area.code & no.)
2 TRUMPY FREO PLANT MANAGER 1 3/13/16/16/500
OWNERSHIP
\$
tenter the appropriate letter into box VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es!)
A. GENERATION B. TRANSPORTATION (complete Item VII)
F = FEDERAL M = NON-FEDERAL C. TREAT/STORE/DISPOSE D. UNDERGROUND INJECTION
VII. MODE C' TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))
GA. AIR B. RAIL GC. HIGHWAY D. WATER DE. OTHER (specify):
VIII. FIRST SUBSEQUENT NOTIFICATION
Mark "X" in the appropriate box to indicate whether this is your Installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.
C. INSTALLATION'S EPA I.D. NO.
A. FIRST NOTIFICATION B. SUBSEQUENT NOTIFICATION (complete liem C) W/D 020087127
IX. DESCRIPTION OF HAZARDOUS WASTES
Please go to the reverse of this form and provide the requested information.
EPA Form 8700-12 (6-80) CONTINUE ON REVERSE

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	W/W	110	02	00	8.	71	28	21

IX. DESCRIPTION OF HA	ZARDOUS WASTE	S (continued from)	ront)			4
A, HAZARDOUS WASTES FF waste from non-specific so	ROM NON-SPECIFIC ources your installation	SOURCES. Enter the fl handles. Use additiona	lour—digit number from I sheets if necessary.	40 CFR Part 261.31 fo	or each listed hazardous]
F002	F003	5005	1 10	111	1, 20	_
137 11	23 36	13 - 16		13 - 90	29 - 94	DETACH
B. HAZARDOUS WASTES FR specific industrial sources ye				R Part 261.32 for each	listed hazardous waste from	>
13 21 : 21 19 19 27 : 36	22 26 20 21 23 - 26	15 21 21 13 24	16 22 22 13 - 26	23 - 24	23 24	
23 - 24	26	27	28	29	20	
C. COMMERCIAL CHEMICAL stance your installation hand					33 for each chemical sub-	
10052 13 27	22 U 0 S Y 23 - 26 28 U 2 2 3	23 U122 23 24	U 1 4 7	0/62	26 U 1 9 9 22 22 22 42	
23 · 26 43	13 14	23 - 26	23 - 26	23 <u>- 36</u> 47 	23 . 25	
D. LISTED INFECTIOUS WAS hospitals, medical and resear					e from hospitals, veterinary	
22 - 26	33 34	51	52	53	34	
E. CHARACTERISTICS OF N hazardous wastes your insta				sponding to the characte	eristics of non—listed	
DOD1)	E (DO)	2. CORROSIVE	3. REAC	·····	10000)	
A. CERTIFICATION I certify under penalty of attached documents, and I believe that the submitt mitting false in formation,	that based on my i ted information is to	inquiry of those indi rue, accurate, and co	ividuals immediately omplete. I am aware	the information surresponsible for obta	ining the information,	A DETACH A
TredW S	Kungy	NAME B OFF FREL PL	ICIAL TITLE (Type or p O W. TRO GNT MAN	UMPY	8/7/80	

EPA Form 8700-12 (6-83) REVERSE

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Please print or type in the unshaded areas only fill—in areas are spaced for elite type, i.e., 12 characters finct	hJ.		m Approved OMB No. 15	8-R0175
1/	ONMENTAL PROTE	the state of the s	A I,D, NUMBER	37. E 70.
	ERAL INFORM			The line
	onsolidated Permits P	roccam	ID 0 2 0 0 8	7128
GENERAL (Read the	General Instructions	before starting.)		10 14 10
LABEL IYEMS			GENERAL INSTRU	CTIONS
I. EPA I.D. NUMBER	•		preprinted label has be	
			n the designated space. F	
MID020087128	•		n carefully; if any of it	
LIII. FACILITY NAME Y			ough it and enter the coropriate fill—in area belo	
1111		the	preprinted data is absen	t (the area to the
FACILITY REICHHOLD CHEM			of the label space list	
(V. Mailing Address, 601 MOODWARD H			should appear), please	
FERNDALE, MI	48220	pro	per fill—in area <i>(s)</i> belov	v. If the label is
11111		con	plete and correct, you i	need not complete
			ns 1, 111, V, and VI (e.	
FACILITY 601 MOODWARD F	are built		nt <i>be completed regard!</i> Ins if no label has been i	
V			instructions for detail	
FERNDALE, MI	48220		s and for the legal au	
			ch this data is collected,	,
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II. POLLUTANT CHARACTERISTICS	"中国"当中国"市	es and a first time to the first time time to the first time time time time time time time tim	7	The street was
INSTRUCTIONS: Complete A through J to determine w	whather you need to	submit any permit application form	e to the EPA If you answ	uer "vet" to sov
questions, you must submit this form and the supplemen	white the you here to	necestage following the question	Mark "Y" in the how in t	he third column
questions, you must submit this form and the supplemen	tal totili distan ili ful	s parentnesis ronowing the question.	mark A mitheboxint	HE WITH COMMIN
if the supplemental form is attached. If you answer "no"	to each question, y	on used not showit any of these fort	ns. You may answer "no"	IT Your BCTIVITY
is excluded from permit requirements; see Section C of the	e instructions. See als	o, Section D of the instructions for d	efinitions of bold—faced	terms.
· · · · · · · · · · · · · · · · · · ·	MARK 'X'			MARK 'X'
SPECIFIC QUESTIONS	VES HO ATTACHED	SPECIFIC QUEST	IONS	YES HO ATTACHES
	1 1 1	B. Does or will this facility (either	existing or amposed	
A. Is this facility a publicly owned treatment works		include a concentrated animal	feeding operation or	$ \mathbf{x} $
which results in a discharge to waters of the U.S.? (FORM 2A)	1 ^	squatic animal production faci		^
(PORM 2A)	16 17 10	discharge to waters of the U.S.?		10 20 21
C. Is this a facility which currently results in discharges		D. Is this a proposed facility (other	er than those described	
to waters of the U.S. other than those described in		In A or B above) which will I		x
A or B above? (FORM 2C)	22 23 14	waters of the U.S.? (FORM 2D)	·	25 24 27
Property of the section of the secti]	F. Do you or will you inject at the	nis facility industrial or-	1 1
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	x 3	municipal effluent below the I		x
Hazarbous wastes: (FORIN S)	4 1 1 -	taining, within one quarter i		
	26 29 30	underground sources of drinkin	g water? (FORM 4)	21 22 23
G. Do you or will you inject at this facility any produced		H. Do you or will you inject at th	is facility fluids for spe-	
water or other fluids which are brought to the surface		cial processes such as mining		
in connection with conventional oil or natural gas pro-		process, solution mining of m		$ \mathbf{x} $
duction, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid	1 1 1	tion of fossil fuel, or recovery	of geothermal energy?	^
hydrocarbons? (FORM 4)	34 38 30	(FORM 4)	of the second	37 30 80
I. Is this facility a proposed stationary source which is		J. Is this facility a proposed stat	ionary source which is	33 33
one of the 28 industrial categories listed in the in-		NOT one of the 28 industrial	categories listed in the	
structions and which will potentially emit 100 tons		Instructions and which will po		
per year of any air pollutant regulated under the	1 1 1	per year of any air pollutant re		x
Clean Air Act and may affect or be located in an attainment area? (FORM 5)		Air Act and may affect or be learned? (FORM-5)	ocated in an attainment	
	40 41 42	AND COMMON		
III. NAME OF FACILITY				
SKIP				'
<u> </u>	 		 	
13 10 · PO 30	THE CONTRACT OF THE		er de la principal de la companya d	to the second
IV. FACILITY CONTACT				
A. NAME & TITLE (last, fi	rst, & title)	B. PHO	NE (area code & no.)	
TRUMPY FRED PLANT	NA N N A	ווכ נו כן יייו וייין	56416500	
	MANAG	السياب المساب المستنت		
III is	AND THE PARTY OF THE PARTY OF	41 44 - 41	49 - 51 52 - 85	
V. FACILITY MAILING ADDRESS				The state of
A. STREET OR P.O.	вох	. 1		
	1 1 1 1 1 1 1			
3				
19 10		491	• .	
B. CITY OR TOWN	<u> </u>	C.STATE D. ZIP CODE		•
<u>e</u>	1 1 1 1 1 1			
4				
15 16		40 41 48 47 - 81		i of the section of the section of
VI. FACILITY LOCATION				
A. STREET, ROUTE NO. OR OTHER S	SPECIFIC IDENTIFE	ER	71 1714 2714 2714 2714 2714 2714 2714 27	
	1 1 1 1 1 1			
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19 16			and deliver the second of the	, , , , , , , , , , , , , , , , , , ,
B. COUNTY NAME	A second second			
	 	🗂 (Grand Carrier)	Continue Control	
O'A'K'L'A'N'D'				•
46		'n	professional state of the second	4 A
C. CITY OR TOWN	 	D.STATE E. ZIP CODE	F. COUNTY CODE	
<u>ej </u>		· · · · · · · · · · · · · · · · · · ·	(if known)	
6				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		——————————————————————————————————————	 	

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VILYING CODES (4-digit, in order of priority)			THE STATE OF THE PARTY OF THE PARTY.
A. FIRST	A constitution of the last	The state of the s	B. SECOND
2 8 2 1 (specify) SYNTHETIC RESI	NS	7 (specify)	· N/A ·
C. THIRD		12 1 10 . 19	D. FOURTH
specify) N/A		(specify)	N/A
		10 10 10 10 10 10 10 10 10 10 10 10 10 1	11/1
VIII. OPERATOR INFORMATION	the second		B. Is the page lives In
BREICHHOLD CHEMI	CALS INC	•	B. Is the name listed in Item VIII-A also the owner?
18 10	•	 	0 66
C. STATUS OF OPERATOR (Enter the approp	riate letter into the answer	box; if "Other", specify.)	D. PHONE (area code & no.)
F = FEDERAL M = PUBLIC (other than fed S = STATE O = OTHER (specify) P = PRIVATE	leral or state) P (spe	ecifyj	A 3135646500
E. STREET OR	O. BOX		
SOI WOODWARD HEI	GHTS BLV	D'.	
F. CITY OR TOWN		G.STATE H. ZIP C	ODE IX INDIAN LAND
BFERNDALE		MI 482	I le the facility located on Indian lands?
11 10		49 41 42 47 -	31
X. EXISTING ENVIRONMENTAL PERMITS	The same of the sa	为是是公司的	the second se
A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions)	from Proposed Sources)	Application Number
9 N	9 P 7'7'9'-'7'	9'	State of Michigan Liquid Incinerator Permit
B. UIC (Underground Injection of Fluids)	19] 10 17] 10 E. OTHER	(specify)	Dadara Tiloritation I chillo
			(specify)
9 U	9 17 19		
C. RCRA (Hazardous Wasses)	E, OTHER	(specify)	
	9		(specify)
XI MAP			
Attach to this application a topographic map of the outline of the facility, the location of each treatment, storage, or disposal facilities, and exwater bodies in the map area. See instructions of the contractions of the contraction of the contrac	h of its existing and pro each well where it injec	oposed intake and disch ts fluids underground.	narge structures, each of its hazardous waste
XII. NATURE OF BUSINESS (provide a brief descript	ion)		
This facility is totally	involved with	the manufactu	are of synthetic resins.
Besides manufacturing, the	ere are wareho	ousing, sales	office and research and
l _			•

development facilities.

XIII. CERTIFICATION (see instructions) I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

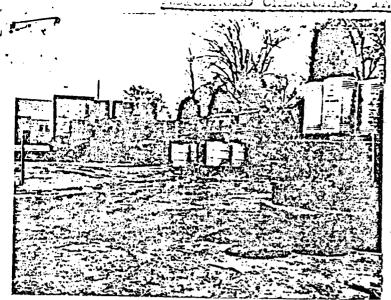
COMMENTS FOR OFFICIAL USE ONLY	Д. 17.		OFF ICIAL III	en lis be tir bi	rresident.	_	D. 270117101	-			15.57.		_
COMMENTS FOR OFFICIAL USE ONLY							7.10	1	Lung	The state of the s	Puer	- 11,	178
	COM	MENTS	FOR OFFICIA	AL USE ONLY			STORY OF THE PROPERTY.				1	200	2000

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3 GEPA	HAZAR. U	SWAST	AL PROTEC E PERMI d Permits Pro	T APP		ION I	EPA I.D.	UMBER O O	871	128 145
RCRA	(This information					₹A.) [~;	1	Bandle 2 state	10111	1210
FOR OFFICIAL USE ONLY		T. M. Care				MENTS		4. 2. 2.		-
APPROVED (yr., mo, & day)										
II. FIRST OR REVISED APPLI	CATION	*/4		1			- F			
Place an "X" in the appropriate box revised application. If this is your fir EPA I.D. Number in Item I above.	in A or B below (ma	rk one box	only) to ind	icate wi scility's	nether thi EPA I.D.	s is the first appli Number, or if th	cation you a is is a revised	re submittin application	ng for your n, enter you	facility or a ur facility's
A. FIRST APPLICATION (place [X] 1. EXISTING FACILITY (S	-	efinition of		-		ָרָרָ זו	2.NEW FAC	F	OR NEW	FACILITIES,
C VR. MO. DAY FOR OPER (use to 1)	EXISTING FACILI'S ACTION BEGAN OF the boxes to the left)	See N	ote #1	ATE ()	r., mo., é	day)	74 78 76	1	Vr., mo., & ION BEG/	THE DATE day) OPERA AN OR IS TO BEGIN
B. REVISED APPLICATION (P		nd complet	le Ilem I abo	ve)			2. FACILITY	Y HAS A R	CRA PERI	MIT
III. PROCESSES – CODES AN	D DESIGN CAPA	CITIES	温度变化	拉拉斯						
A. PROCESS CODE — Enter the cocentering codes. If more lines are describe the process (including its	de from the list of pr needed, enter the co	ocess codes de <i>(s)</i> in the	s below that space provid	best des ded. If	cribes eac process	ch process to be u	ised at the fac			
B. PROCESS DESIGN CAPACITY - 1. AMOUNT — Enter the amoun		ered in colu	ımn A enter	the cape	city of th	ne process.				
UNIT OF MEASURE — For e measure used. Only the units	ach amount entered of measure that are	in column listed belov	B(1), enter t v should be u	he code ised.	from the	list of unit meas	ure codes bel	ow that des	cribes the	unit of
.	PRO- APPROPR CESS MEASURE	IATE UNIT	rs of				PRO- CESS		RIATE UN	
		CAPACI				OCESS	CODE		GN CAPA	
Storage: CONTAINER (barrel, drum, etc.)	SOI GALLONS			Treat			T01	GALLONS		YOR
TANK WASTE PILE	S02 GALLONS (S03 CUBIC YAR CUBIC MET	DSOR	5	SURF	ACE IMP	OUNDMENT	T02	GALLONS LITERS P	5 PER DA'	YOR
SURFACE IMPOUNDMENT	504 GALLONS		5	INCIN	IERATO	R .	T03	TONS PER METRIC 1	R HOUR C	HOUR;
Disposal: INJECTION WELL	D79 GALLONS (O7#5	D /Ilee f	or physical, chem	ical TO4	GALLONS LITERS P GALLONS	ER HOUR	•
LANDFILL	would cover depth of one	one acre to foot) OR		therm proces	al or biol ises not o	ogical treatment ccurring in tanks		LITERS P		TOR
LAND APPLICATION OCEAN DISPOSAL	HECTARE-P D81 ACRES OR D82 GALLONS P	HECTARE		ators.	Describe	dments or incine the processes in ded; Item III-C.)				
SURFACE IMPOUNDMENT	DES GALLONS		5		_	-				
	UNIT OF MEASURE					HT OF ASURE				UNIT OF MEASURE
UNIT OF MEASURE	CODE		MEASURE			ODE	UNIT OF MI			CODE
GALLONS	L	TONS PE	PER DAY R HOUR TONS PER I			, D	ACRE-FEET HECTARE-N ACRES	METER		F
CUBIC METERS	, c	GALLON	S PER HOU PER HOUR .	R		E	HECTARES			
EXAMPLE FOR COMPLETING ITE other can hold 400 gallons. The faci	M III (shown in line	numbers >	(-1 and X-2	below):	A facilit	y has two storage	e tanks, one t	ank can hol	d 200 galle	ons and the
C DUP	7/4 = 1	177	TT	\prod	77	TTT	TTT	77	177	177
B. PROCESS	DESIGN CAPACI	TY	1 1	ا م	7 7	B. PROCI	ESS DESIG	N CAPAC	ITY	1 7 7
CESS	**-	2. UNIT	FOR OFFICIAL] H	A. PRO- CESS CODE				2. UNIT	
CODE (from list above)		SURE (enter	USE	23	from list above)	1.	AMOUNT		SURE (enter	ONLY
16 - 11 19 -		code)	26 - 32	JZ	6 - 18	19		27	code)	20 - 1
X-1 S 0 2 600		G		5	+				$\frac{1}{1}$	
X-2 T 0 3 20		E		6					111	
1 8 0 1 280,0		G		7					111	
	114	E		8			<u> </u>		111	
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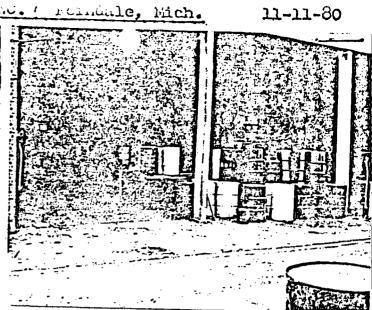
INCLUDE DESIGN CAPACITY.		CRIBING OTHER PRO	CESSES (code "TU-!"	J. FOR EACH PROCESS ENTERED HE	
•		enisine emention	croses hop.	/. FOR EXCH PROCESS ENTERED RE	RE
	·			_	
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V. DESCRIPTION OF HAZARDO	OUS WASTES				 -
LEFA HOZATE MASTE NUME	BER - Enter the four- not listed in 40 CFR, Su	Upart D, enter the four—	n, Support D for each digit number(s) from	n listed nazaroous waste you will henoi 40 CFR, Subpart C that describes the ch	e, ii you aracteris-
			ertemate the quantity	of that waste that will be handled on a	
basis. For each characteristic or toxi which possess that characteristic or c	ic contaminant entered in	column A estimate the 1	otal annual quantity	of all the non—listed waste(s) that will be	handled
UNIT OF MEASURE — For each q codes are:	quantity entered in colum	n B enter the unit of m	easure code. Units o	measure which must be used and the ap	propriete
ENGLISH UNIT OF M	MEASURE		METRIC UNIT OF M	EASURE CODE	
TONS			CILOGRAMS METRIC TONS		
If facility records use any other uni account the appropriate density or sp	it of measure for quantity	y, the units of measure r	nust be converted int	o one of the required units of measure ta	king into
D. PROCESSES	promise greating or annual contraction				
1. PROCESS CODES:	r each listed hazardous w	aste entered in column	A select the code(s) f	rom the list of process codes contained in	
	stored, treated, and/or di	sposed of at the facility.		•	Item III
	 For each characteristic 				
For non-listed hazardous wastes contained in Item III to indicat	te all the processes that v	vill be used to store, tre	at, and/or dispose of	all the non-listed hazardous wastes tha	ess codes
For non-listed hazardous waster contained in Item III to indicate that characteristic or toxic contain Note: Four spaces are provided	ite all the processes that viminant. Indicate the desired the desi	vill be used to store, trea edes. If more are needed	: (1) Enter the first	all the non-listed hazardous wastes that three as described above; (2) Enter "000	ess codes
For non-listed hazardous waster contained in Item III to indicat that cheracteristic or toxic contain Note: Four spaces are provided extreme right box of Item IV-DI	te all the processes that within the second of the second	vill be used to store, tree edes. If more are needed sace provided on page 4, 1	: (1) Enter the first the line number and t	all the non-listed hazardous wastes that three as described above; (2) Enter "000 he additional code(s).	ess codes
For non-listed hazardous waster contained in Item III to indicate that characteristic or toxic contain Note: Four spaces are provided extreme right box of Item IV-DIT 2. PROCESS DESCRIPTION: If a contain the process of the IV-DIT is a contained by the process of the IV-DIT in III and IV-DIT is a contained by the IV-DIT in IV	te all the processes that viminant. If for entering process co. I); and (3) Enter in the sp. code is not listed for a pro-	vill be used to store, treated acceptools. If more are needed acceptovided on page 4, to be used, do	i: (1) Enter the first the line number and t escribe the process in	all the non-listed hazardous wastes that three as described above; (2) Enter "000 he additional code(s). The space provided on the form.	ess codes 1 possess O" in the
For non-listed hazardous waster contained in Item III to indicate that characteristic or toxic contain Note: Four spaces are provided extreme right box of Item IV-DIT 2. PROCESS DESCRIPTION: If a CONTE: HAZARDOUS WASTES DESCRIPTION IN ITEM IN ITE	te all the processes that viminant. of for entering process co. 1); and (3) Enter in the sp. code is not listed for a process. CRIBED BY MORE THA	vill be used to store, treated ace provided on page 4, to costs that will be used, do not be the torm as follows:	i: (1) Enter the first the line number and t escribe the process in DUS WASTE NUMB	all the non-listed hazardous wastes that three as described above; (2) Enter "000 he additional code(s). the space provided on the form. ER — Hazardous wastes that can be described.	ess codes t possess O" in the
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EPA Form 3510-3 (6-80)



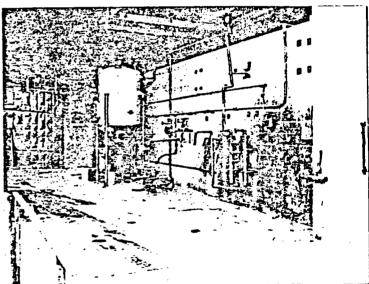
Solid Waste Storage Area



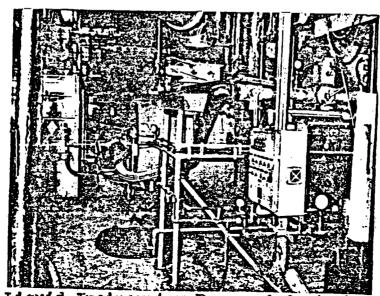
Liquid Waste Storage Area #1.



Liquid Waste Storage Area #2



Liquid Waste Blending Area



Liquid Incinerator Burner & Controls

225

EPA Hazardous Waste Permit Application

Reichhold Chemicals, Inc. 601 Woodward Heights Blvd. Ferndale, Mich. 48220 EPA I.D. No. MID020087128

NOTE #1

We presently have under construction an incinerator to dispose of flammable liquid wastes. The Michigan Department of Natural Resources issued a construction permit on July 18, 1980, permit #779-79. We expect to be operational in 1981.

